

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

# NOTICE OF ACCEPTANCE (NOA)

PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.goy/pera

MIAMI-DADE COUNTY

Korus USA, Inc. 8615 NW 64<sup>th</sup> Street Bay #1 Miami, FL 33166

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Firenze - Venezia - Roma" Aluminum Fixed Window - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. W07-69, titled "Firenze – Venezia - Roma Alum. Fixed Wdw. (L.M.I.)", sheets 1 through 5 of 5, dated 09/13/07, with revision C dated 02/15/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

## MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, <u>Latina</u>, <u>Italy</u>, series, and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises and renews NOA # 09-0128.12 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY APPROYED

W 7/16/13

NOA No. 12-0224.03 Expiration Date: January 10, 2017 Approval Date: May 03, 2012

Page 1

## Korus USA, Inc.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No W07-69, Sheets 1 through 5 of 5, titled "Firenze Venezia Roma Alum. Fixed Wdw. (L.M.I.)", dated 09/13/07, with revision C dated 02/15/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

## B. TESTS

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum fixed windows rectangular top and eyebrow glass top, specimen #9, prepared by Hurricane test Laboratory LLC, Test Reports No. HTL-0458-0605-07, dated 6/4/08, signed and

sealed by Vinu J. Abraham, P.E. (Submitted under previous NOA#09-0128.12)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of aluminum fixed windows rectangular, round top and eyebrow top, **specimens #5, #8, #10, #11 & #12**, prepared by Hurricane test Laboratory LLC, Test Reports No. **HTL-0458-0108-07** and **HTL-0458-0605-07**, dated 3/8/07 to 6/19/07, signed and sealed by Vinu J. Abraham, P.E. (Submitted under previous NOA#09-0128.12)

## C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 02/15/02, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-04

### D. OUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

Manuel Perez, P.E. Product Control Examiner NOA No. 12-0224.03

Expiration Date: January 10, 2017 Approval Date: May 03, 2012

## Korus USA, Inc.

### NOTICE OF ACCEPTANCE: **EVIDENCE SUBMITTED**

### E. **MATERIAL CERTIFICATIONS**

- Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont SentryGlas® Interlayer" dated 08/25/11, expiring on 01/14/17.
- 2. Notice of Acceptance No. 08-1224.04 issued to Solutia, Inc. for their "Saflex Composites Glass Interlayer with PET Core" dated 02/25/09, expiring on 12/11/13.

### F. **STATEMENTS**

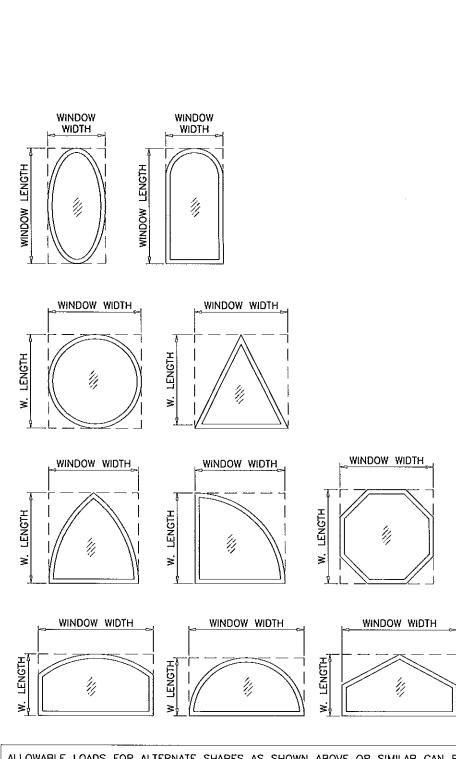
- Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated February 15, 2012, signed and sealed by Javad Ahmad, P.E.
- 2. Distribution agreement between manufacturer: Korus spa, Italy and distributor: Korus, USA, signed by Guiseppe AndiNacci and Gianfranco Ippoliti on behalf of respective companies.

### G. **OTHERS**

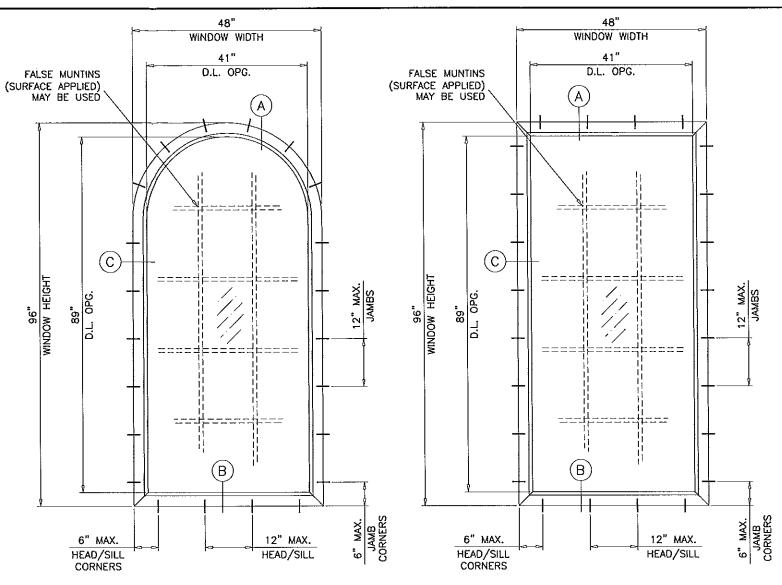
Notice of Acceptance No. 09-0128.12, issued to Korus USA, Inc. for their Series 1. "Firenze – Venezia – Roma" Aluminum Fixed Window – L.M.I., approved on 07/01/07 and expiring on 01/10/12.

> Manuel Perez R.E. Product Control Examiner NOA No. 12-0224.03 Expiration Date: January 10, 2017

Approval Date: May 03, 2012



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.



## TYPICAL ELEVATIONS TESTED UNITS

# FIRENZE-VENEZIA-ROMA ALUMINUM FIXED WINDOW

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

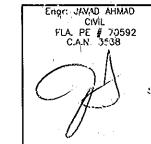
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.



PRODUCT REVISED as complying with the Florida **Building Code** 

Acceptance No 12-0224.03
Expiration Date JAN. 10, 2017 FEB 2/2/201210

Miami Dade Product Control

09-13 مُخَامَۃ drowing no.

AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174

WDW.

FIXED

FIRENZE-VENEZIA-ROMA ALUM

BAY

KORUS USA INC. 8615 N.W. 64th STREET, E MIAMI, FL. 33166 TEL. (954) 874-7040 FAX. (95

(954)

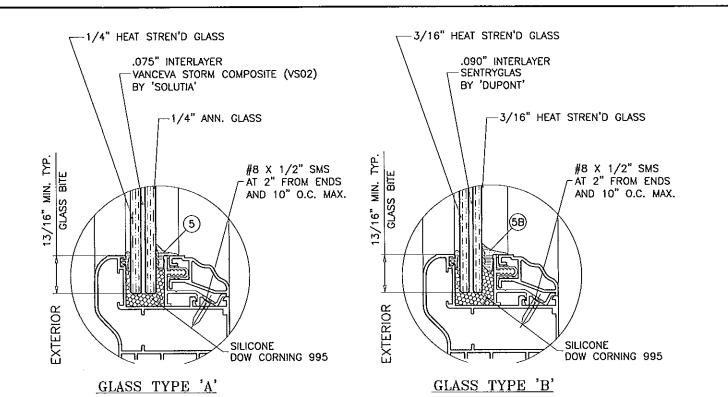
W07-69

sheet 1 of 5

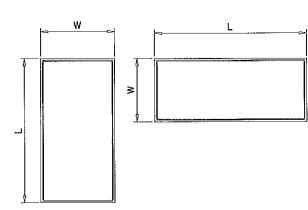
DESIGN LOAD CAPACITY - PSF							DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		GLASS TYPE		GLASS TYPE 'B'			WINDO	WINDOW DIMS.		GLASS TYPE		TYPE
WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)		WIDTH	LENGTH	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
26-1/2"		75.0	75.0	75.0	75.0		24**		75.0	75.0	75.0	75.0
32"	26"	75.0	75.0	75.0	75.0		30"	36"	75.0	75.0	75.0	75.0
37"		75.0	75.0	75.0	75.0		36" 42"		75.0	75.0	75.0	75.0
42*		75.0	75.0	75.0	75.0				75.0	75.0	75.0	75.0
48"		75.0	75.0	75.0	75.0		48"		75.0	75.0	75.0	75.0
53-1/8"		75.0	75.0	75.0	75.0		54"		75.0	75.0	75.0	75.0
26-1/2"	70 7/a <sup>15</sup>	75.0	75.0	75.0	75.0		60"		75.0	75.0	75.0	75.0
32"		75.0	75.0	75.0	75.0		24"	48*	75.0	75.0	75.0	75.0
37"		75.0	75.0	75.0	75.0	ľ	30"		75.0	75.0	75.0	75.0
42"	38-3/8"	75.0	75.0	75.0	75.0		36"		75.0	75.0	75.0	75.0
48"		75.0	75.0	75.0	75.0		42"		75.0	75.0	75.0	75.0
53-1/8"		75.0	75.0	75.0	75.0		48"		75.0	75.0	75.0	75.0
26-1/2"		75.0	75.0	75.0	75.0		54"		75.0	75.0	75.0	75.0
32"		75.0	75.0	75.0	75.0		60"		75.0	75.0	75.0	75.0
37"	50-5/8"	75.0	75.0	75.0	75.0	ŀ	24"		75.0	75.0	75.0	75.0
42"	30-376	75.0	75.0	75.0	75.0		30"		75.0	75.0	75.0	75.0
48*		75.0	75.0	75.0	75.0		36"	60"	75.0	75.0	75.0	75.0
53-1/8"		71.1	71.1	71.1	71.1		42"		75.0	75.0	75.0	75.0
26-1/2"	63"	75.0	75.0	75.0	75.0		48"		75.0	75.0	75.0	75.0
32"		75.0	75.0	75.0	75.0		54"		66.7	66.7	66.7	66.7
37"		75.0	75.0	75.0	75.0		60"		60.0	60.0	60.0	60.0
42"		75.0	75.0	75.0	75.0		24"		75.0	75.0	75.0	75.0
48"		75.0	75.0	75.0	75.0		30"		75.0	75.0	75.0	75.0
53-1/8"		67.8	67.8	67.8	67.8		36"		75.0	75.0	75.0	75.0
26-1/2"		75.0	75.0	75.0	75.0	l	42"	72"	75.0	75.0	75.0	75.0
32"		75.0	75.0	75.0	75.0		48"		75.0	75.0	75.0	75.0
37"	74-1/4"	75.0	75.0	75.0	75.0		54"		66.7	66.7	66.7	66.7
42"	, .	75.0	75.0	75.0	75.0		60"		60.0	60.0	60.0	60.0
48"		75.0	75.0	75.0	75.0		24"		75.0	75.0	75.0	75.0
53-1/8"		67.8	67.8	67.8	67.8	ļ	30"	84"	75.0	75.0	75.0	75.0
26-1/2"	78"	75.0	75.0	75.0	75.0		36"		75.0	75.0	75.0	75.0
32"		75.0	75.0	75.0	75.0		42"		75.0	75.0	75.0	75.0
37"		75.0	75.0	75.0	75.0	1	48"		75.0	75.0	75.0	75.0
42"		75.0	75.0	75.0	75.0		54"		66.7	66.7	66.7	66.7
48"		75.0	75.0	75.0	75.0		24"	96"	75.0	75.0	75.0	75.0
53-1/8"		67.8	67.8	67.8	67.8	ł	30"		75.0	75.0	75.0	75.0
26-1/2"	84"	75.0	75.0	75.0	75.0	-	36"		75.0	75.0	75.0	75.0
32"		75.0	75.0	75.0	75.0	-	42"		75.0	75.0	75.0	75.0
37"		75.0	75.0	75.0	75.0		48"		75.0	75.0	75.0	75.0
42"		75.0	75.0	75.0	75.0		24"		75.0	75.0	75.0	75.0
48"		75.0	75.0	75.0	75.0	-	30"	108"	75.0	75.0	75.0	75.0
53-1/8"		67.8	67.8	67.8	67.8	1	36"		75.0	75.0	75.0	75.0
26-1/2"	96"	75.0	75.0	75.0	75.0	ł	42"	120"	75.0	75.0	75.0	75.0
32"		75.0	75.0	75.0	75.0	$\mathbf{I}$	24" 30" 36"		75.0	75.0	75.0	75.0
37"		75.0	75.0	75.0	75.0	ł			75.0	75.0	75.0	75.0
42"		75.0	75.0	75.0	75.0	ł			75.0	75.0	75.0	75.0
48*		75.0	75.0	75.0	75.0	J						

75.0

> NOTE: WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



GLAZING OPTIONS



PRODUCT REVISED as complying with the Florida
Building Code
Acceptance No 12-0224.03
Expiration Date Job. 10, 201

By Mariel Sus-Miami Dade Product Control

F#B 2 2 2012

Engr: JÁVAD AHMAD CIVIL FLA. PE ₹ 70592 C.A.N. 3538

revisions:
no dote
A 11.10.08
B 05.19.09
C 02.15.12 09-13-07 HAMID څ scole:

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33.174
TEL (305) 264-81.00 FAX. (305) 262-6978

(L.M.I.)

WDW.

FIRENZE-VENEZIA-ROMA ALUM FIXED

#1

BAY

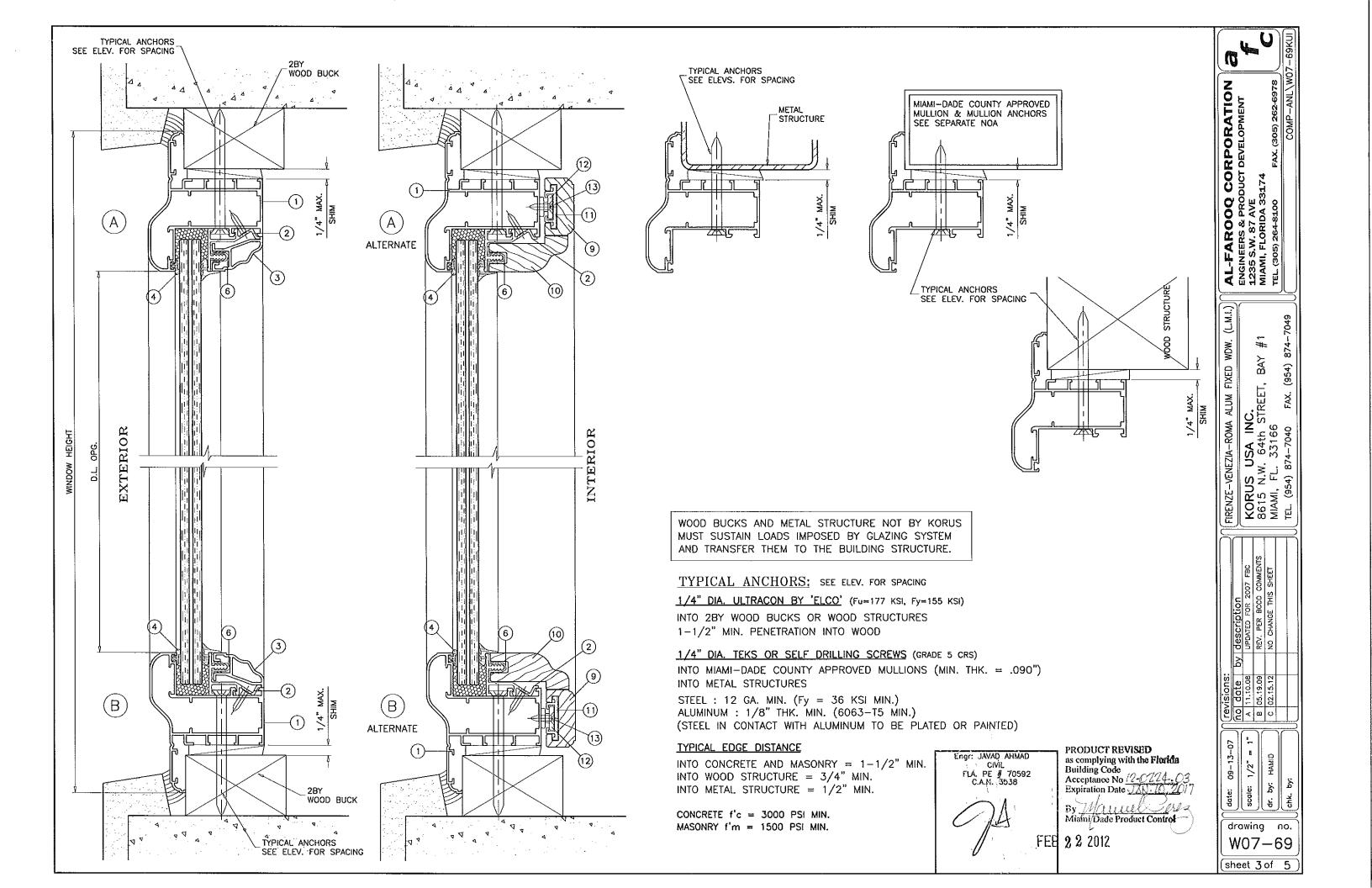
KORUS USA INC. 8615 N.W. 64th STREET, E MIAMI, FL. 33166 TEL. (954) 874-7040 FAX. (95

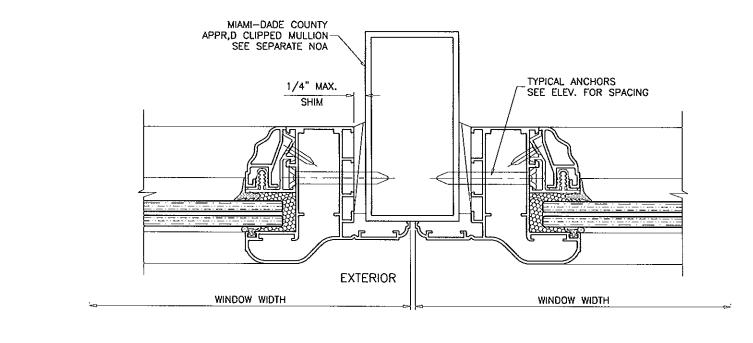
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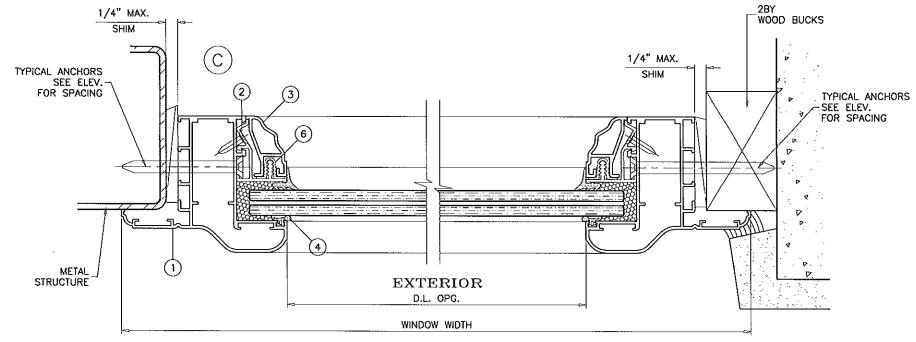
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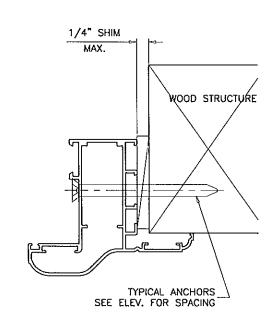
sheet 2 of 5

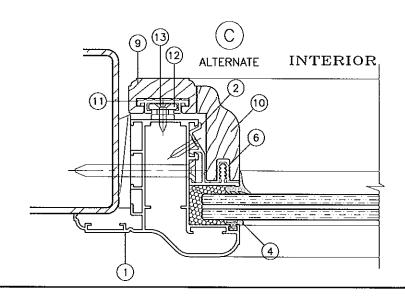
NOTE: GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC. GUSTS).











Engr: JAVAD AHMAD CIML FLA. PE # 70592 C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12.024.03
Expiration Date 16.10, 201

By Maurel Control-

FE3 2 2 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

| FIRENZE-VENEZIA-ROMA ALUM FIXED WDW. (L.M.I.) | | KORUS USA INC. | 8615 N.W. 64th STREET, BAY #1 | MIAMI, FL. 33166 | TEL. (954) 874-7040 FAX. (954) 874-7049

	by description	UPDATED FOR 2007 FBC	REV. PER BCCO COMMENTS	NO CHANGE THIS SHEET		
revisions:	no date	A 11.10.08	9 05.19.09	02.15.12		
Z	<u>_</u>	_	77		<u> </u>	$\equiv$

scole: 1/2" = 1" | 0 C | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |

drawing no.

W07-69 (sheet 4 of 5

